

AIRCRAFT DISPATCHER

UNIT 7 – IAMS/CAHIS

STUDENT GUIDE

UNIT OBJECTIVES

1. Describe IAMS/CAHIS and its uses.
2. Identify IAMS/CAHIS users.
3. Obtain and update IAMS/CAHIS.

NOTES

I. IAMS/CAHIS?

- A. Initial Attack Management System
- B. IAMS/CAHIS decreases the workload of dispatchers in assessing aviation data.
- C. IAMS/CAHIS increases the speed and accuracy of obtaining aviation information, providing for increased safety and efficiency.

II. WHO SHOULD USE IAMS/CAHIS?

- A. Aviation Dispatchers
- B. Aviation Managers
- C. Federal Aviation Administration
- D. Military

III. WHERE DO I GET IAMS/CAHIS?

- <http://www.nifc.blm.gov>
- Click on “Aviation”

IV. HOW DO I DOWNLOAD/UPDATE IAMS/CAHIS?

- A. Click on “Airbase Update Form”
- B. Click the “InstallShield Wizard” button to Install/Update
- C. Click the “Next” button
- D. Select “Install Now” then the “Install” button
- E. Click the “Finish” button

V. IAMS/CAHIS TOOLBARS

- A. Button Bar

1. Zoom In

Allows the user to “zoom into” an area of interest within the view (geographic area) that is displayed on the screen
To zoom into a specific area provides a view with greater detail.

- Fixed Method
- Free Method

NOTE: The Zoom option can also be accessed through “*Zoom*” on the Menu Bar or Ctrl + Z.

2. Distance Tool

Allows the use to select a series of points within the view (geographic area) that is displayed on the screen; the distance between each point is shown, as well as the total distance

NOTE: The Distance option can also be accessed through “*Tools*” on the Menu Bar or Ctrl + D.

3. Overlays

Allows the user to add, remove, and modify overlays
The overlays are the features to display, such as BLM district boundaries, rivers, interstates, etc.

NOTE: The Overlays option can also be accessed through “*Select*” on the Menu Bar or Ctrl + O.

4. Display Parameters

Allows the user to modify the display parameters for the selected overlays

The display parameters are the attributes of the overlay and determine how the selected overlay will appear to the user when drawn.

Includes the scale, symbol, line, color, full, and label

NOTE: The Display Parameters option can also be accessed through “*Select*” on the Menu Bar or Ctrl + P.

5. Mark Point

Allows the user to select a point on the map/view display by using the mouse

NOTE: The Mark Point option can also be accessed through “*Aviation*” on the Menu Bar or Ctrl + M.

Only one point can be marked at a time.

B. Menu Bar

1. Settings Menu

Allows the user to set the startup and display options within IAMS/CAHIS

- Short Help

Allows the user to turn the short help on or off

- Legend

Allows the user to turn the legend on or off

The legend lists the selected overlays and the associated color and/or symbol for each.

The legend may not be needed in the office but is useful if printed and posted.

The legend can be moved using the click and drag procedure.

- Scale Bar

Allows the user to turn the scale bar on or off

The scale bar shows the linear distance of the current view.

Include if you are printing a map.

The scale will change with the zoom feature.

- Initial Map

Allows the user to identify the initial map; which is the map (or set of overlays) that will appear on the screen whenever the IAMS/CAHIS application is started

The last map saved is the map that will start up during the next IAMS/CAHIS launch.

- Initial View

Allows the user to identify the initial view; this is the view (or geographic area) that will appear on the screen whenever the IAMS/CAHIS application is started

- Linear Units

Allows the user to select the measure of distance that will be displayed in the scale bar; either kilometers, statute miles, or nautical miles

Use nautical miles for aircraft dispatching.

- Default Font

Allows the user to select the font that will be used for the text throughout the IAMS/CAHIS application; such as in the legend and scale bar

- Screen Size

Allows the user to enter the width of their computer screen

2. Aviation Menu

Allows the user to select a point location on the map/view display and obtain aviation information from near that location

- Mark Point

Same as on the Button Bar

- Enter Point

Allows the user to select a point by entering coordinated of the location

When “Enter Point” is selected, the Convert Coordinates dialog box from the Tools Menu is displayed.

- Dispatch

Displays the dispatch information for the previously defined point

- Hazards

Displays the hazard information for the previously defined point

- Settings

Allows the user to set the search distances that are used for the Dispatch and Hazards options

The distance default is set to 99 NM.

3. Tools Menu

Allows the user to obtain information about locations, as well as create a TFR

- Distance

Same as that on the Button Bar

- Print Distance

Allows the user to print the Distance Results information from the previous session using the Distance tool

- Enter/Edit TFR

Allows the user to create a new or edit an existing TFR

- Organization Entity (OE)

Allows the user to enter or edit information about the user's "organizational entity" or office

- Airport/Airbase

Allows the user to display airport and airbase information

- Aviation Boundaries

Displays a list of aviation boundary information

- Military Training Routes

Displays a list of MTR information

- Navigation Aids

Displays a list of navigation aids information

- Special-Use Airspaces

Displays a list of SUA information

- Convert Coordinates

Same as discussed when entering a point

4. Zoom

Allows the user to change the geographic area that is displayed (the view).

- Zoom In

Allows the user to magnify an area of interest with the view

- Recenter

Allows the user to center the view display on a new point—redraws the map

- Recenter Active

Allows the user to center the view display on the current “active point”

- Map Scale

Allows the user to select a new scale for the view

- Maximum

Allows the user to display the maximum area available to view—contiguous United States

- History

Identifies the previous views that have been displayed within the current IAMS/CAHIS session.

5. Select Menu

Allows the user to select the overlays, modify the display parameters, select the background color of the display, re-draw the display, and re-open the current map

- Overlays

Discussed previously under the Button Bar

- Display Parameters

Discussed previously under the Button Bar

- Background

Allows the user to change the color of the background of the IAMS/CAHIS screen display.

- Redraw

Clears the screen and then redraws the current map on the screen

- Re-Open Current Map

Clears the screen and reopens the current map and draws it as if it was just defined.

6. Map Menu

Allows the user to create, open, save, or delete a map file (the set of overlays selected by the user), send the map or screen display to a printer, select the printer for printing the map or text, see the information about the version of the software, or exit IAMS/CAHIS

- New

Opens a new map and allows the user to select overlays to create a new map

- Open

Allows the user to open an existing map definition file, which is then displayed

- Save As

Allows the user to save the current map

- Delete

Allows the user to delete a selected map definition file

- Print Map

Prints the displayed map/view, including the informational line at the bottom of the IAMS/CAHIS window

- Print Screen

Prints the entire IAMS/CAHIS window

- Select Map Printer



Sets the printing parameters that IAMS/CAHIS uses to print the map/view that is displayed

- Select Text Printer

Sets the printing parameters that IAMS/CAHIS uses to print the text information that is displayed

- About Maps

Displays version number, release date, and comments

- Exit

Closes the IAMS/CAHIS application and returns the user to the last accessed location in Windows

7. View Menu

Allows the user to create, open, save, or delete a view file (the geographic area that was selected by the user).

- New

Opens a new view, the Maximum view, which displays the entire area of the contiguous lower 48 United States

- Open

Allows the user to open an existing view definition file, which is then displayed

- Save As

Allows the user to save the current view

- Delete

Allows the user to delete a selected view definition file

VI. EXERCISES

A. Exercise 1

B. Exercise 2

C. Exercise 3

D. Exercise 4

E. Exercise 5

F. Exercise 6

G. Exercise 7

EXERCISE 1

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack.

1. Using the latitude and longitude from the Resource Order and IAMS/CAHIS, complete
 - Block 6
 - Block 11
 - Three VORs
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

NOTES

EXERCISE 2

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the Township/Range/Section from the Resource Order and IAMS/CAHIS, complete
 - Block 11
 - Three VORs
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

EXERCISE 3

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the VOR from the Resource Order and IAMS/CAHIS, complete
 - Block 6
 - Block 11
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

INCIDENT/PROJECT ORDER NUMBER		RESOURCE ORDER		INITIAL DATE/TIME		2. INCIDENT/PROJECT NAME				3. INCIDENT /PROJECT ORDER NUMBER				4. OFFICE REFERENCE NUMBER																	
		AIRCRAFT		7/13/00 1300		ALKALI				OR-DOF-345				P671235 Q125																	
5. DESCRIPTIVE LOCATION/RESPONSE AREA						6. SEC.		TWN		RNG		Base MDM		8. INCIDENT BASE/PHONE NUMBER				9. JURISDICTION/AGENCY													
ALKALI LAKE														619 555-2345				State													
7. MAP REFERENCE																		10. ORDERING OFFICE													
11. AIRCRAFT INFORMATION						LAT.		LONG.										BIC													
BEARING		DISTANCE		BASE OR OMNI		AIR CONTACT		FREQUENCY		Ground Contact		FREQUENCY		RELOAD BASE		OTHER AIRCRAFT/HAZARDS															
17		43		LKV		Alkali A/A		123.456		Alkali IC		170.00																			
12. Request Number		Ordered Date/Time		From To		Q T Y		RESOURCE REQUESTED		Needed Date/Time		Deliver To		Agency ID		RESOURCE ASSIGNED		ETD ETA													
A-1						1		AIR TANKER		IA		FIRE																			
A-2						1		AIR TANKER		IA		FIRE																			
A-3						1		LEAD PLANE		IA		FIRE																			
A-4						1		AIR ATTACK		IA		FIRE																			
13. ORDER RELAYED						ACTION TAKEN						ORDER RELAYED						ACTION TAKEN													
Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From	

EXERCISE 4

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the latitude and longitude from the Resource Order and IAMS/CAHIS, complete
 - Block 6
 - Block 11
 - Three VORs
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

INCIDENT/PROJECT ORDER NUMBER		RESOURCE ORDER		INITIAL DATE/TIME		2. INCIDENT/PROJECT NAME				3. INCIDENT /PROJECT ORDER NUMBER				4. OFFICE REFERENCE NUMBER															
		AIRCRAFT		7/13/00 1300		SHINN MNT				CA-PNF-119				P54321 D321															
5. DESCRIPTIVE LOCATION/RESPONSE AREA Shinn Mountain						6. SEC.		TWN		RNG		Base MDM		8. INCIDENT BASE/PHONE NUMBER 619 213-4567				9. JURISDICTION/AGENCY											
						7. MAP REFERENCE												FS											
11. AIRCRAFT INFORMATION						LAT.		40 17		LONG.		120 04		OTHER AIRCRAFT/HAZARDS															
						BEARING		DISTANCE		BASE OR OMNI		AIR CONTACT						FREQUENCY		RELOAD BASE									
										Shinn A/A		123.456		Shinn IC		170.00													
12.						Ordered Date/Time		From To		Q T Y		RESOURCE REQUESTED		Needed Date/Time		Deliver To		Agency ID		Resource Assigned		ETD ETA		RELEASED Date To		Time			
						Request Number																							
A-1										1		AIR TANKER		IA		FIRE													
A-2										1		AIR TANKER		IA		FIRE													
A-3										1		LEAD PLANE		IA		FIRE													
A-4										1		AIR ATTACK		IA		FIRE													
13.						ORDER RELAYED		ACTION TAKEN		ORDER RELAYED		ACTION TAKEN		Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From	

EXERCISE 5

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the Township/Range/Section from the Resource Order and IAMS/CAHIS, complete
 - Block 11
 - Three VORs
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

EXERCISE 6

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the VOR from the Resource Order and IAMS/CAHIS, complete
 - Block 6
 - Block 11
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

RESOURCE ORDER		INITIAL DATE/TIME		2. INCIDENT/PROJECT NAME				3. INCIDENT /PROJECT ORDER NUMBER				4. OFFICE REFERENCE NUMBER			
AIRCRAFT		7/13/00 1300		STILLWATER				NV-CCD-0012				P47222 K222			
5. DESCRIPTIVE LOCATION/RESPONSE AREA				6. SEC.		TWN		RNG		Base MDM		8. INCIDENT BASE/PHONE NUMBER			
Stillwater Mountains												775 861-6355			
7. MAP REFERENCE				LAT.		FREQ		FREQ		FREQ		9. JURISDICTION/AGENCY			
						Stillwater A/A		123.456		Stillwater IC		BLM			
11. AIRCRAFT INFORMATION				BASE OR OMNI		AIR CONTACT		FREQ		GROUND CONTACT		RELOAD BASE		OTHER AIRCRAFT/HAZARDS	
BEARING				DISTANCE		LLC									
111				29											
12. Request Number				Q T Y		RESOURCE REQUESTED		Needed Date/Time		Deliver To		Agency ID		Resource Assigned	
A-1				1		AIR TANKER		IA		FIRE					
A-2				1		AIR TANKER		IA		FIRE					
A-3				1		LEAD PLANE		IA		FIRE					
A-4				1		AIR ATTACK		IA		FIRE					
13. ORDER RELAYED				ACTION TAKEN		ORDER RELAYED		ACTION TAKEN		ORDER RELAYED		ACTION TAKEN			
Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From	

EXERCISE 7

An incomplete Aircraft Resource Order is provided for this exercise. As the ACDP, you have received the following request for aircraft: 2 Air tankers, 1 Lead plane, and 1 Air Attack. Complete the Resource Order by:

1. Using the latitude and longitude from the Resource Order and IAMS/CAHIS, complete
 - Block 6
 - Block 11
 - Three VORs
 - Closest reload base
 - Other aircraft/hazards within 5 NM
2. Using IAMS/CAHIS, determine the closest force for each resource requested (default setting of 500 NM). Document the dispatch center of the closest resource in the TO/FROM box in Block 12.
3. Deconflict the airspace and create a TFR.

INCIDENT/PROJECT ORDER NUMBER		RESOURCE ORDER		INITIAL DATE/TIME 7/13/00 1300		2. INCIDENT/PROJECT NAME LIVERMORE				3. INCIDENT /PROJECT ORDER NUMBER CA-SCU-0515				4. OFFICE REFERENCE NUMBER P56345 U345											
		AIRCRAFT		5. DESCRIPTIVE LOCATION/RESPONSE AREA Livermore, CA				6. SEC. TWN RNG Base MDM		8. INCIDENT BASE/PHONE NUMBER 707 615-5432				9. JURISDICTION/AGENCY State		10. ORDERING OFFICE NO									
11. AIRCRAFT INFORMATION		BEARING		DISTANCE		BASE OR OMNI		LAT. 37 40		AIR CONTACT		FREQUENCY		RELOAD BASE		OTHER AIRCRAFT/HAZARDS									
								Livermore A/A		123.456		Livermore IC													
12.		Request Number		Ordered Date/Time		Q T Y		RESOURCE REQUESTED		Needed Date/Time		Deliver To		From		Agency ID		RESOURCE ASSIGNED		ETD		RELEASED		ETA	
		A-1				1		AIR TANKER		IA		FIRE													
		A-2				1		AIR TANKER		IA		FIRE													
		A-3				1		LEAD PLANE		IA		FIRE													
		A-4				1		AIR ATTACK		IA		FIRE													
13.		ORDER RELAYED		ACTION TAKEN		ORDER RELAYED		ACTION TAKEN		Req. No.		Date		Time		To/From		Req. No.		Date		Time		To/From	